

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S12	7	S10 and ((plunger near3 rod) with piston) and (light or beam or ray) and (detec\$3 or sens\$3 or receiv\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/20 19:34
S13	47	"5176502"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/05 13:12
S14	5501	(plunger rod same slots) and encod\$3 and simultaneou\$3 and (detec\$3 or sens\$3 or receiv\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/05 14:01
S15	287	"604"/\$.ccls. and (plunger rod same slots) and encod\$3 and simultaneou\$3 and (detec\$3 or sens\$3 or receiv\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/05 14:01
S16	254	"600"/\$.ccls. and (plunger rod same slots) and encod\$3 and simultaneou\$3 and (detec\$3 or sens\$3 or receiv\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/05 14:02
S17	26	S15 and S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/05 14:02
S18	121	(plunger near3 rod) and piston and (slits or slots or grooves) and encod\$3 and (detec\$3 or sens\$3 or receiv\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/06 10:37

S19	449	medical and (plunger near3 rod) and (piston or actuat\$3) and (encod\$3 with transmis \$3 or transmit\$3 or transparen\$3 or slit or slot or hole or opening or gap) and (detec\$3 or sens\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/06 11:46
S20	222	"604"/\$.ccls. and medical and (plunger near3 rod) and (piston or actuat\$3) and (encod\$3 with transmis \$3 or transmit\$3 or transparen\$3 or slit or slot or hole or opening or gap) and (detec\$3 or sens\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/06 11:46
S21	57	"600"/\$.ccls. and medical and (plunger near3 rod) and (piston or actuat\$3) and (encod\$3 with transmis \$3 or transmit\$3 or transparen\$3 or slit or slot or hole or opening or gap) and (detec\$3 or sens\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/06 11:46
S22	2	"250"/\$.ccls. and medical and (plunger near3 rod) and (piston or actuat\$3) and (encod\$3 with transmis \$3 or transmit\$3 or transparen\$3 or slit or slot or hole or opening or gap) and (detec\$3 or sens\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/06 11:46
S23	0	"372"/\$.ccls. and medical and (plunger near3 rod) and (piston or actuat\$3) and (encod\$3 with transmis \$3 or transmit\$3 or transparen\$3 or slit or slot or hole or opening or gap) and (detec\$3 or sens\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/06 11:47

S24	1	"356"/\$.ccls. and medical and (plunger near3 rod) and (piston or actuat\$3) and (encod\$3 with transmis\$3 or transmit\$3 or transparen\$3 or slit or slot or hole or opening or gap) and (detec\$3 or sens\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/06 11:47
S25	11	(plunger near3 rod) and piston and (slots or openings or slits near3 encod\$3) and medical and (photo \$1diode or photo \$1detector or photo \$1sensor) and (detec\$3 or sens\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/06 12:46
S26	5468	(plunger near3 rod) and (encod\$3 near3 slots or slits or grooves or openings or holes) and (detec\$3 or sens\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/06 12:50
S27	379	"604"/\$.ccls. and (plunger near3 rod) and (encod\$3 near3 slots or slits or grooves or openings or holes) and (detec\$3 or sens\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/06 12:51
S28	106	"600"/\$.ccls. and (plunger near3 rod) and (encod\$3 near3 slots or slits or grooves or openings or holes) and (detec\$3 or sens\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/06 12:51
S29	45	"250"/\$.ccls. and (plunger near3 rod) and (encod\$3 near3 slots or slits or grooves or openings or holes) and (detec\$3 or sens\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/06 12:51

S30	8872	(encod\$3 with slit or slot or groove or hole or opening) and (plunger near3 rod) and piston and (detec \$3 or sens\$3 or receiv \$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/06 13:29
S31	793	"604"/\$.ocls. and (encod\$3 with slit or slot or groove or hole or opening) and (plunger near3 rod) and piston and (detec \$3 or sens\$3 or receiv \$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/06 13:29
S32	84	"600"/\$.ocls. and (encod\$3 with slit or slot or groove or hole or opening) and (plunger near3 rod) and piston and (detec \$3 or sens\$3 or receiv \$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/06 13:29
S33	18	"250"/\$.ocls. and (encod\$3 with slit or slot or groove or hole or opening) and (plunger near3 rod) and piston and (detec \$3 or sens\$3 or receiv \$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/06 13:29
S34	96	encod\$3 and (plunger near3 rod) and piston and (computer or processor or micro-processor) and (detec \$3 or sens\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/06 14:01
S35	197	"5383858"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/06 14:08
S36	32	"5176646"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/06 14:21

S37	47	"5176502"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/06 14:28
S38	37	("4846797"   "4853521"   "4950246"   "4978335"   "5019974"   "5176502"   "5569212"   "5593390"   "5628309"   "5651775").PN. OR ("5792117").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/06 14:30
S39	9	("20010017817"   "4853521"   "4978335"   "5164575"   "5757021"   "5772443"   "5792117"   "5882338"   "6685678").PN. OR ("7161488").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/06 15:01
S40	41	("2586581"   "3045494"   "3266298"   "3391694"   "3698383"   "4079736"   "4383252"   "4559044"   "4581013"   "4613325"   "4853521"   "4976687"   "5391081"   "5401253"   "5449344"   "5449345"   "5553981"   "5569212"   "5584701"   "5593390"   "5628309"   "5643212"   "5645534"   "5651775"   "5690618"   "5692640"	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/06 15:10

"5697916"					
"5704922"					
"5716345"					
"5720733"					
"5772443"					
"5782814"					
"5792117"					
"5925021"					
"5928201"					
"6070761"					
"6485465").PN. OR					
("7074209").URPN.					

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